

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A terminal device, comprising:

an antenna;

a communication circuit, and

a battery,

wherein said communication circuit receives communication information via an electromagnetic wave received by said antenna, and power from the battery being a sole source of all drive power supplied to the communication circuit,

said terminal device further comprising:

detection means for detecting a carrier wave supplied via said antenna; and

control means for controlling the drive power from the battery supplied to said communication circuit,

wherein when the detection means no longer detects the carrier wave while a drive power is being supplied to said communication circuit, said control means stops the supply of the drive power to said communication circuit.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Previously Presented) The terminal device according to claim 1, wherein the control means supplies the drive power from the battery to the communication circuit from a start to an end of the detection of the carrier wave by the detection means.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Previously Presented) The terminal device according to claim 1, wherein when the detection means no longer detects the carrier wave while a drive power is being supplied from the battery to said communication circuit, said control means stops the supply of the drive power to said communication circuit either after a predetermined period has elapsed after the detection means no longer detects the carrier wave or immediately after the detection means no longer detects the carrier wave.

16. (Previously Presented) The terminal device according to claim 1, wherein
the antenna is an antenna coil, and
the communication circuit is a non-contact IC module for the terminal device.

17. (Previously Presented) The terminal device according to claim 11, wherein
the antenna is an antenna coil, and
the communication circuit is a non-contact IC module for the terminal device.

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented) The terminal device according to claim 15, wherein
the antenna is an antenna coil, and
the communication circuit is a non-contact IC module for the terminal device.

22. (Previously Presented) An electric circuit for a communication terminal device adapted to be connected to an antenna and a battery, comprising:

a detection unit that detects a carrier wave from the antenna;

a communication unit that communicates via the antenna, the battery being a sole source of all power being supplied to the communication unit;

a power control unit that controls the power supplied from the battery to the communication unit, the power control unit stopping the power supply to the communication unit when the detection unit no longer detects the carrier wave while the power from the battery is being supplied to the communication unit.

23. (Previously Presented) An electric circuit for a non-contact IC system according to claim 22, further comprising:

a central processing unit that controls the detection unit, the communication unit, and the power control unit.

24. (Currently Amended) A method of controlling power supply in a terminal device including an antenna, a communication circuit, and a battery, the method comprising:

detecting existence of a carrier wave in a form of an electromagnetic wave by the antenna,

supplying a drive power from the battery to the communication circuit when the existence of the carrier wave has been detected, the battery being a sole source of all power being supplied to the communication circuit; and

terminating supply of the drive power from the battery to the communication circuit when the existence of the carrier wave is no longer detected while the drive power from the battery is being supplied to the communication circuit.

25. (Previously Presented) A terminal device, comprising:

an antenna;

a communication circuit, and

a battery,

wherein said communication circuit receives communication information via an electromagnetic wave received by said antenna,

said terminal device further comprising:

detection means for detecting a carrier wave supplied via said antenna; and

control means for controlling a drive power supply to said communication circuit,

wherein, when said terminal device communicates with a reader/writer,

said control means supplies drive power from said battery to said communication circuit while said detection means is detecting the carrier wave, and

said control means does not supply the drive power from said battery to said communication circuit while said detection means is not detecting the carrier wave.

26. (Previously Presented) An electric circuit for a communication terminal device adapted to be connected to an antenna and a battery, comprising:

a detection unit that detects a carrier wave from the antenna;

a communication unit that communicates via the antenna; and

a power control unit that controls power supplied from the battery to the communication unit,

wherein the power control unit is operative, when said terminal device communicates with a reader/writer, to:

supply drive power from said battery to said communication unit while said detection unit is detecting the carrier wave, and,

not supply the drive power from said battery to said communication unit while said detection unit is not detecting the carrier wave.

27. (Previously Presented) A method of controlling power supply in a terminal device including an antenna, a communication circuit, and a battery, the method comprising:

receiving communication information via an electromagnetic wave received by said antenna,

detecting a carrier wave supplied via said antenna; and

controlling a drive power supply to said communication circuit,

wherein, when said terminal device communicates with a reader/writer, said controlling step includes,

supplying drive power from said battery to said communication circuit while detecting the carrier wave, and

not supplying the drive power from said battery to said communication circuit while not detecting the carrier wave.